

## Abstract

A system and method to control engine valve  
5 timing to during the start of an internal combustion  
engine. Electromechanical valves are controlled in a  
manner to reduce hydrocarbon emissions during the start  
of an internal combustion engine. The method controls  
intake valves so that smaller adjustments are made to  
10 cylinder spark advance and air-fuel over a range of  
operating conditions.